

Converting Colors

XYZ(37.8309, 39.5949, 9.4028)

Have a look what the booklet for
XYZ(37.8309, 39.5949, 9.4028)
contains.

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Color

**XYZ(37.9032, 39.7001,
9.4065)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A638
RGB	199, 166, 56
RGB Percent	78%, 65%, 22%
CMY	0.2196, 0.3490, 0.7804
CMYK	0.00, 0.17, 0.72, 0.22
HSL	46°, 56%, 50%
HSV	46°, 72%, 78%
XYZ	37.9032, 39.7001, 9.4065
YIQ	163.3270, 54.9780, -27.2140

Conversions

Conversions Part 2

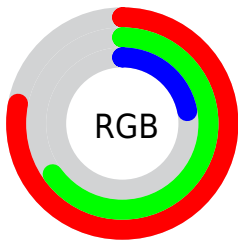
Format	Color
R_{YB}	99, 199, 56
Decimal	13084216
CIE _{Lab}	69.26, 0.55, 58.58
CIE _{LCh}	69, 58.581, 89.463
Yxy	39.7001, 0.4356, 0.4563
Android (android.graphics.Color)	4291274296 (0xFFC7A638)
YUV	163.3270, -52.9122, 31.2852
Hunter-Lab	63.0080, -2.8853, 35.2542

Details

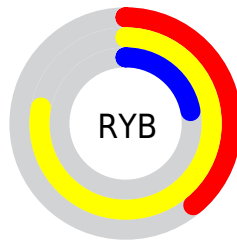
The XYZ color **37.9032, 39.7001, 9.4065** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.5119, 12.1086, 55.5520**, and the grayscale version is **35.1927, 37.0255, 40.3207**.

A 20% lighter version of the original color is **69.8568, 74.0770, 25.0844**, and **17.1152, 17.9242, 2.5576** is the 20% darker color. If you saturate the color by 10%, you get **36.6904, 37.9047, 7.0599**, and if you desaturate by 10%, it is **39.3411, 41.6363, 12.7829**.

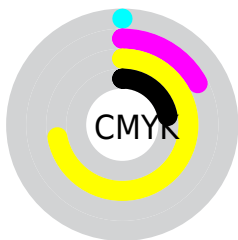
Distribution



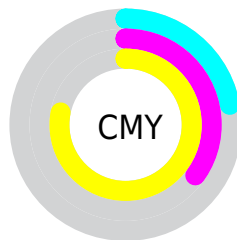
- Red (78%)
- Green (65%)
- Blue (22%)



- Red (39%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (17%)
- Yellow (72%)
- Black (22%)





- Cyan (22%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9032, 39.7001, 9.4065 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.9032, 39.7001, 9.4065 by changing the saturation by 10% instead.


 37.9032, 39.7001,
9.4065


 37.9032, 39.7001,
9.4065


328.4926,
344.8579, 196.7104


 26.0844, 27.3048,
4.9068


 71.2646, 74.7066,
25.2632


 17.0198, 17.8023,
2.1349


 93.5380, 98.0866,
37.4572


 10.3440, 10.8081,
0.6364


 120.0269,
125.8970, 53.0532

 5.6917, 5.9380,
0.0000

 151.0967,
158.5221, 72.4696

 2.6974, 2.8074,
0.0000

 187.1129,
196.3463, 96.1250

 0.9958, 1.0320,
0.0000

 228.4407,

 0.0000, 0.0000,

239.7541, 124.4379

0.0000

275.4454,
289.1299, 157.8269

■ 37.9032, 39.7001,
9.4065

■ 37.9032, 39.7001,
9.4065

■ 36.6904, 37.9047,
7.0599

■ 39.3411, 41.6363,
12.7829

■ 35.6750, 36.2339,
5.6118

■ 41.0220, 43.7163,
17.2949

■ 34.9580, 34.9519,
4.9039

■ 42.9650, 45.9499,
23.0373

■ 45.1866, 48.3439,
30.0946

■ 47.7014, 50.9049,
38.5437

■ 50.5234, 53.6387,
48.4556

■ 53.6652, 56.5510,
59.8964

■ 57.1389, 59.6469,
72.9281

■ 60.9560, 62.9316,
87.6093

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6655, 39.7001, 12.2445



37.9032, 39.7001, 9.4065



29.5356, 39.7001, 12.0367

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.9032, 39.7001, 9.4065



24.1017, 39.7001, 73.9551



55.5082, 39.7001, 75.1622

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.9032, 39.7001, 9.4065



15.5119, 12.1086, 55.5520

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.3238, 39.7001, 105.6444



37.9032, 39.7001, 9.4065



29.2874, 39.7001, 104.7676

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.9032, 39.7001, 9.4065



22.4125, 39.7001, 42.7439



37.5648, 39.7001, 118.2367



58.8080, 39.7001, 43.7130

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.9032, 39.7001, 9.4065



25.6137, 39.7001, 17.5860



37.5648, 39.7001, 118.2367



53.1768, 39.7001, 86.2684

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.9041, 39.7020, 9.4073



83.3060, 88.9164, 66.7439



26.7860, 15.6982, 11.1509



17.5618, 18.7621, 13.3681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9041, 39.7020, 9.4073



63.2420, 64.7619, 10.8122



35.8083, 48.6953, 11.2536



11.3084, 11.9860, 11.2803



22.5480, 22.6131, 3.1764



1.1198, 1.1750, 0.1678

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.5119, 12.1086, 55.5520



22.1189, 14.2932, 96.2008



16.3531, 9.3390, 54.9731



10.2520, 10.6780, 13.4382



7.3109, 4.0158, 35.1342



0.4033, 0.3044, 1.6826

Previews

White Background



This preview shows how the XYZ color 37.9032, 39.7001, 9.4065 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.9032, 39.7001, 9.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9032, 39.7001, 9.4065

Background



This preview shows how black text looks on a background with the XYZ color 37.9032, 39.7001, 9.4065.



This preview shows how white text looks on a background with the XYZ color 37.9032, 39.7001,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.9032, 39.7001, 9.4065

Protanopia

36.0995, 39.8637, 9.6627

Deuteranopia

40.6600, 39.7923, 9.5407



Tritanopia

44.4285, 39.4981, 41.8415

Trichromacy



Original Color

37.9032, 39.7001, 9.4065

Protanomaly

36.9188, 40.0088, 9.6475

Deuteranomaly

39.5678, 39.7552, 9.4590

Tritanomaly

41.1307, 39.1659, 25.4706

Monochromacy



Original Color

37.9032, 39.7001, 9.4065

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8180, 37.2363, 24.4210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9032, 39.7001, 9.4065 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 166, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 166, 56)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 166, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 166, 56) }
```

Border

The CSS property to change the border of an element to XYZ 37.9032, 39.7001, 9.4065 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 166, 56) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(199, 166, 56) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(199, 166, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 166, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 166, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 166,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9032, 39.7001, 9.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 166, 56) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
166, 56) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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